Resource Summary Report

Generated by NIF on May 1, 2025

DartMouse - Speed Congenics

RRID:SCR_009757
Type: Tool

Proper Citation

DartMouse - Speed Congenics (RRID:SCR_009757)

Resource Information

URL: http://www.dartmouse.org

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Description: Core facility that provides the following services: Medium-density speed congenic backcross service, Medium-density genetic background check service, DNA extraction. DartMouse is a not-for-profit core facility funded by the National Institutes of Health"s National Center for Research Resources. The mission of DartMouse is to facilitate the development of congenic mice in support of pre-clinical projects across the United States. Use of DartMouse allows the generation of congenic mice in 5 generations (~1.5 years), versus the 10 generations (~3 years) required by conventional back-crossing. Facility staff provides expert advice on mouse speed congenic development, mouse genetic background analysis, and mouse genetic mapping. Investigators provide us with mouse tail clippings. From these, DartMouse isolates genomic DNA and performs and analyzes complete genome-wide scans. We return data in graphical and spreadsheet formats, and make specific recommendations on breeder selection. We operate an Illumina BeadStation 500. Chips use a 1449 SNP array covering the mouse genome with an average density of

Synonyms: Dartmouth DartMouse - Speed Congenics

Resource Type: service resource, core facility, access service resource

Keywords: congenic backcrossing, dna extraction

Funding:

Resource Name: DartMouse - Speed Congenics

Resource ID: SCR_009757

Alternate IDs: nlx_156218

Alternate URLs: http://cancer.dartmouth.edu/res/speed_congenics.html, http://dartmouth.eagle-i.net/i/0000012a-24fd-26a9-d8a1-249280000000

Record Creation Time: 20220129T080254+0000

Record Last Update: 20250501T080927+0000

Ratings and Alerts

No rating or validation information has been found for DartMouse - Speed Congenics.

No alerts have been found for DartMouse - Speed Congenics.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Yazdani N, et al. (2015) Hnrnph1 Is A Quantitative Trait Gene for Methamphetamine Sensitivity. PLoS genetics, 11(12), e1005713.

Wang Y, et al. (2013) Role of IRAK-M in alcohol induced liver injury. PloS one, 8(2), e57085.

Pasieka TJ, et al. (2011) Bioluminescent imaging reveals divergent viral pathogenesis in two strains of Stat1-deficient mice, and in ?ß? interferon receptor-deficient mice. PloS one, 6(9), e24018.